

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,237,177 B2  
APPLICATION NO. : 10/727910  
DATED : June 26, 2007  
INVENTOR(S) : Pan et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 45, "Y" should be "Y".

Column 1, line 50, "Y values:  $Y^0$ " should be --Y values:  $Y^0$ --.

Column 1, line 51, " $Y^1$ " should be -- $Y^1$ --.

Column 1, line 53, "Y is" should be --Y is--.

Column 1, line 53, "Y and" should be --Y and--.

Column 1, line 55, "Y" should be --Y--.

Column 1, line 56, "Y0 and Y1" should be --Y0 and Y1--.

Column 2, line 4, "Y" should be --Y--.

Column 2, line 5, " $Y^0_t(m)$   $Y^1_t(m)$ " should be -- $Y^0_t(m)$   $Y^1_t(m)$ --.

Column 2, line 16, "Y" should be --Y--.

Column 2, line 21, equation (1) " $Y^1_{t-1}$ " should be -- $Y^1_{t-1}$ --.

Column 2, line 61, equation (4), " $Y^0_t(m)$ " should be -- $Y^0_t(m)$ --.

Column 2, line 61, equation (4), " $Y^1_t(m)$ " should be -- $Y^1_t(m)$ --.

Column 3, line 21, "Y" should be --Y--.

Column 3, line 23, equation (6), " $Y^1_t(m)$ " should be -- $Y^1_t(m)$ --.

Column 3, line 24, equation (6), " $Y^0_t(m)$ " should be -- $Y^0_t(m)$ --.

Column 3, line 44, " $Y^0_{t-1}(m^0)$ " should be -- $Y^1_{t-1}(m^1)$ --.

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Column 4, line 16, "unnorinalized" should be --unnormalized--.

Column 4, line 44, " $Y^0_{t-1}(m^0)$  and  $Y^0_{t-1}(m^0)$ " should be -- $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ --.

Column 4, line 64, " $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ " should be -- $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ --.

Column 5, line 25, " $Y^1_t(m)$ " should be -- $Y^1_t(m)$ --.

Column 5, line 30, " $Y^1_t(m)$  and  $Y^1_t(m)$ " should be -- $Y^0_t(m)$  and  $Y^1_t(m)$ --.

Column 5, line 46, " $Y^1_t(m)$ " should be -- $Y^1_t(m)$ --.

Column 5, line 51, " $Y^0_t(m)$  and  $Y^1_t(m)$ " should be -- $Y^0_t(m)$  and  $Y^1_t(m)$ --.

Column 6, line 53, " $Y^0_t(m^0)$ " should be -- $Y^0_t(m^0)$ --.

Column 7, line 3, " $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ " should be -- $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ --.

Column 8, line 6, equation (16), " $Y^0_{t-1}(m)$ " should be -- $Y^0_{t-1}(m)$ --.

Column 8, line 7, equation (16), " $Y^1_{t-1}(m)$ " should be -- $Y^1_{t-1}(m^1)$ --.

Column 8, line 16, equation (18), " $Y^0_t(m)$ " should be -- $Y^0_t(m)$ --.

Column 8, line 16, equation (18), " $Y^1_t(m)$ " should be -- $Y^1_t(m)$ --.

Column 8, line 23, " $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ " should be -- $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ --.

Column 9, claim 3, line 54, " $Y^1_{t-1}(m^1)$ " should be -- $Y^1_{t-1}(m^1)$ --.

Column 9, claim 3, line 58, " $Y^0_{t-1}(m^0)$  and  $Y_{t-1}(m^1)$ " should be -- $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ --.

Column 10, claim 7, line 18, " $Y^0_{t-1}(m^0)$ " should be -- $Y^0_{t-1}(m^0)$ --.

Column 10, claim 7, line 19, " $Y^1_{t-1}(m^1)$ " should be -- $Y^1_{t-1}(m^1)$ --.

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Column 10, claim 7, line 24, " $Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)$ " should be  $--Y^0_{t-1}(m^0)$  and  $Y^1_{t-1}(m^1)--$ .

Column 10, claim 9, line 46, "unnorinalized" should be  $--unnormalized--$ .

Column 10, claim 9, line 47, " $Y^0_{t-1}(m)$  and  $Y^1_{t-1}(m)$ " should be  $--Y^0_{t-1}(m)$  and  $Y^1_{t-1}(m)--$ .

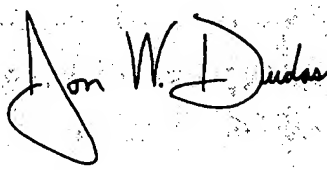
Column 11, claim 13, line 7, " $Y^0_{t-1}(m)$ " should be  $--Y^0_{t-1}(m)--$ .

Column 11, claim 13, line 7, " $Y^1_{t-1}(m)$ " should be  $--Y^1_{t-1}(m)--$ .

Column 11, claim 13, line 12, " $Y^0_{t-1}(m)$  and  $Y^1_{t-1}(m)$ " should be  $--Y^0_{t-1}(m)$  and  $Y^1_{t-1}(m)--$ .

Signed and Sealed this

Twentieth Day of November, 2007

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular, textured background that appears to be a stamp or a piece of paper.

JON W. DUDAS

*Director of the United States Patent and Trademark Office*